

SEWERAGE (42)

AGENCY PLAN: STATEMENT OF PURPOSE, GOALS AND BUDGET SUMMARY

STATEMENT OF PURPOSE:

The Sewerage Division of the Water and Sewerage Department treats combined sewerage collected throughout the service area so that the treated effluent is in compliance with the requirements established by the U.S. Environmental Protection Agency and the Michigan Department of Natural Resources.

AGENCY GOALS:

The Sewerage Division is administratively part of the Detroit Water and Sewerage Department maintained as a separate fund in the City of Detroit Accounting System.

AGENCY FINANCIAL SUMMARY:

2006-07 Requested		2005-06 Budget	2006-07 Recommended	Increase (Decrease)
\$ 188,975,822	Departmental Operations	\$ 187,848,616	\$ 188,975,822	\$ 1,127,206
156,413,794	Debt Service	150,230,400	156,413,794	6,183,394
46,360,000	Capital Appropriations	54,869,100	46,360,000	(8,509,100)
375,000,000	Bonded Capital	-	375,000,000	375,000,000
\$ 766,749,616	Total Appropriations	\$ 392,948,116	\$ 766,749,616	\$ 373,801,500
\$ 391,749,616	Departmental Revenues	\$ 392,948,116	\$ 391,749,616	\$ (1,198,500)
375,000,000	Sale of Bonds	-	375,000,000	375,000,000
\$ 766,749,616	Total Revenues	\$ 392,948,116	\$ 766,749,616	\$ 373,801,500
\$ -	NET TAX COST:	\$ -	\$ -	\$ -

AGENCY EMPLOYEE STATISTICS:

2006-07 Requested		2005-06 Budget	04-01-06 Actual	2006-07 Recommended	Increase (Decrease)
1,175	City Positions	1,189	932	1,176	(13)
1,175	Total Positions	1,189	932	1,176	(13)

ACTIVITIES IN THIS AGENCY:

	2005-06 Budget	2006-07 Recommended	Increase (Decrease)
Administrative Services	\$ 37,979,741	\$ 37,107,710	\$ (872,031)
Financial Services	5,677,526	5,815,100	137,574
Asset Maintenance	16,448,173	16,424,933	(23,240)
Engineering Services	3,931,679	3,541,928	(389,751)
Sewer Operations	123,811,497	126,086,151	2,274,654
Sewerage - Capital and Debt Service	205,099,500	577,773,794	372,674,294
Total Appropriations	\$ 392,948,116	\$ 766,749,616	\$ 373,801,500

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ADMINISTRATIVE SERVICES ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: ADMINISTRATIVE SERVICES

The role of the Administrative Support Group is to support the mission and goals of the department. The Administrative Support Group is responsible for carrying out the policies of the Board and the business management of the department. This group consists of ten (10) major divisions: Administration, Public Affairs, Document Management, Security, Office of Program Management, Information Systems Management Division, Commercial Operations, Systems Control, Meter Operations and the Contracts and Grants Division.

The **Public Affairs Division** is primarily responsible for compiling and disseminating public information and materials relative to the department's activities through audiovisual, media relations, public relations, and marketing to better provide retail and wholesale customers, and all national and international stakeholders, accurate and up to date information regarding the Water and Sewerage Department. Public Affairs provides complete audiovisual services for DWSD and produces videotaped public service announcements for multimedia broadcast. Public Affairs assists with the dissemination of information and feedback from employees on DWSD plans, programs, and initiatives and promotes a more open and cooperative work environment for all DWSD employees.

The **Commercial Operations Division**, which reports to the Public Affairs Division, is responsible for directing, coordinating, processing, and monitoring DWSD retail and suburban wholesale customer billing and collection activities, collection related to delinquent accounts, processing landlord/tenant agreements, bankruptcy claims and other customer service tasks including meter reads, special payment arrangements, coordinating services with other City agencies, scheduling customer billing dispute hearings, and other related activities.

The **Meter Operations Division** focuses on the meter maintenance function of the department, with an emphasis on meter repair, calibration or replacement for water and wastewater clients (wholesale suburban, residential retail and commercial/industrial). This division also provides much needed instrumentation and controls maintenance support related to the operation of the water production/distribution and wastewater collection systems.

The **Document Management Division** is responsible for disseminating information in a timely and efficient manner for Detroit Water and Sewerage internal customers. The division is responsible for a comprehensive department wide program for Records Management, which includes, but is not limited to: development and management program, records appraisal, retention and disposition, records protection, records and information management technology. The Document Management Division is responsible for the Service Improvement Program.

The **Security Division** provides a safe and secure working environment for all DWSD personnel. The division's essential responsibilities include: a range of coordinating efforts for emergency response, preparedness measures, actions, and processes; loss prevention monitoring, planning, and reporting; prevent and detect unlawful activity and offenses on or within facilities; conduct departmental incident and safety investigations; patrol and inspect facilities; prepare, design, and instruct in service, and emergency preparedness training.

The **Office of Program Management (OPMA) Division** currently serves as administrative support for the Office of the DWSD Director and Deputy Director; distributes various regulatory compliance documents relative to EPA, MDEQ, and other electronic legislative information; prepares and coordinates various regulatory reports that include SARA Title III, Michigan Air Emission Reporting Systems (MAERS), Spill Prevention Control & Countermeasure and Pollution Incident Prevention Plans (SPCC/PIP), Process Safety Management Plans (PSMs), and Risk Management Plans (RMPs); coordinates, monitors, prepares, and distributes the monthly DWSD Status Report that updates all activities to be completed per the Second Amended Consent Judgment mandate; Invoice Processing; repository for Wastewater Operations monitoring, violation and compliance reports; Waste Manifest record keeping; maintains a resource library; maintains DWSD Water and Wastewater Service Contracts and Agreements; coordinates and participates in environmental activities with federal, state, and local organizations/universities to build general public awareness; prepares, coordinates, and submits NPDES permit applications to the MDEQ for the WWTP, and for the Lake Huron and Southwest water plants; acts as a liaison between DWSD divisions and regulatory agencies regarding environmental and regulatory issues. Other activities include preparing and submitting the DWSD Wastewater System Operational Plan and PCB/Mercury Minimization Program annual

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updates to the MDEQ as required by the NPDES Permit, researching and investigating 201 sites and their impact on the DWSD PCB/Mercury Minimization Program, Emergency/Non-Emergency Environmental Response including Waste Cleanup, Hazardous Waste Removal and Disposal, PCB Equipment Management including Transformers, management of the Underground and Aboveground Storage Tank (UST/AST) Programs, and Steering Committee Member of the DWSD's health and safety contract.

The **Contracts and Grants Division** is divided into four (4) units: Consultant Contracts, Construction Contracts, Grants/Loans/Audits and Local Economic Development. The Consultant and Construction Units prepare advertisements and contract documents, monitor progress on contract work, including payment and reports, and provide closeout services. The Grants/Loans/Audits Unit provides contract monitoring, closeout, and regular audit functions for construction, consultant services, and construction management projects. Also, the Local Economic Development Unit monitors targeted enterprise participation on contracts, which is mandated by Executive Orders and City Ordinances.

The **Information Systems Division** manages and supports servers, desktop systems, networks, and telephone systems, and related software applications within the department. Systems supported include the EMPAC maintenance management system, CBMS customer billing system, wide area and local area networks and related wiring and cabling infrastructure, intranet and Internet servers, anti-virus and other security related systems, electronic mail, calendar, and directory systems, eVMS visual management system, electronic document management system, fax server, and report management and production system. Services and support are also provided for radio systems for both voice and data communications. Technical and programming services are provided for systems developed or maintained within DWSD, as well as for related report development and production requirements. Information Systems personnel also manage and support departmental Data Centers located in the Central Services facility, Wastewater Treatment Plant, and Water Board Building. Additional support services provided include providing review and recommendations on other DWSD projects with respect to information systems concerns, participation in the contract bid review process, developing and disseminating information systems related standards for DWSD, maintaining a database of computer, radio, and telephone equipment, and managing the provision of mobile telephones, pagers and radios.

The **Systems Operations Control Division** is directly responsible for pumping treated water to 126 communities and providing wastewater collection services to 78 communities. It remotely operates 22 water booster stations and 12 sewage pumping stations from the new Systems Control Center (SCC). SCC maintains capability for monitoring and controlling the water distribution network and wastewater collection systems. SCC has operational flexibility to compensate for changing water demands by adjusting water pressures and reservoir flows in the water distribution system. SCC also has the ability to adapt to varying wastewater flows by adjusting selected sewer regulator settings, interceptor flow levels and in-system storage facilities. The division generates valuable data on pressures and levels throughout the system on a 24/7 basis and keeps pumpage records and logs on all activities within the system, around the clock. After analysis of data, various daily, weekly, monthly and annual reports are generated and distributed. The division notifies communities and regulatory agencies on all CSO (combined sewer overflow) incidents, coordinates all projects affecting the system and keeps DWSD wholesale customers informed of project impacts in advance. SCC is also the nerve center for the Department's operations.

GOALS:

1. To implement the policies of the Board, Charter requirements and Federal mandates for supplying water and sewerage services.
2. To provide an adequate level of trained personnel to operate the water and sewerage systems.
3. To implement a comprehensive agency-wide reference source.
4. To ensure widespread internal knowledge of key messages and to develop a well informed employee base.
5. To educate and inform both retail and wholesale customers and the community about important DWSD projects, initiatives, and water and wastewater issues.
6. To continuously carry out proactive public safety measures by enhancing security practices at all facilities. These practices are based on a vulnerability assessment conducted for the Environmental Protection Agency (EPA).

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7. Information Systems will continue to provide required hardware, software, and technical support services for departmental information system needs, and to facilitate interfaces and communications with City-wide information system activities.
8. Commercial Operations will continue employee training and activities to continue implementation of all applications of the Customer Billing and Management System to ensure improved customer service, revenue billing and collection efforts.
9. The Meter Operations Division's goals are to increase commercial/industrial water meter reading accuracy, and to increase residential water meter reading accuracy to improve the billing and revenue collection stream, by calibrating and maintaining all the meters installed in the system.
10. To efficiently and effectively process contracts, grants and loans. Also, to encourage local businesses to participate in the Department's contracting process.

MAJOR INITIATIVES FOR FY 2005-06 and FY 2006-07:

- The Public Affairs Division has expanded its customer outreach program with suburban wholesale sewer customers. DWSD employees are being trained to assume the role of facilitator at all Steering Committee work group meetings. The Steering Committee is comprised of representatives from DWSD and its wholesale customers and was formed as a venue where DWSD and its wholesale customer communities could discuss and resolve issues of common concern.
- The Security Division has increased security at various DWSD locations. Implementation of security monitoring devices has been executed at all unmanned sites (i.e., pumping and booster stations). The division also conducts ongoing site assessments, and manages any necessary protection enhancements required for: intakes, perimeters, ovation system, chlorinated water plants, hazardous chemical buildings and water plants.
- Install security cameras at Clearwells, main transformers, and emergency generators.
- The Meter Operations Division will be able to maintain a high level of service and maintenance to the sewer meters and DWSD Customers.
- The PC-713 contract is nearing completion. The new Systems Control Center at Central Services Facility is fully functional. Our division is operating from new SCC since May 2005. The new control facility provides the ability to monitor entire water distribution and wastewater collection system controlling elements on the video wall.
- To increase the participation of Detroit Headquartered, Detroit Based, Minority and Women businesses through the Mayor's Executive Orders, while exceeding the expectation of the local business community.
- Information Systems initiatives planned or implemented include the following: implement further improvements to Wide Area Networking; server consolidation (ongoing); implement departmental Business Requirements Plan document for information systems; continue with "evergreening" (scheduled replacement) of computer equipment; implement further improvements to the DWSD intranet
- Conversion of all residential customers to monthly billing (early 2006)
- Opening of the Westside Payment Center for Saturday Hours (Early 2006)

PLANNING FOR THE FUTURE FOR FY 2006-07, FY 2007-08 and BEYOND:

- The DWSD plans to expand the WAMR System to include additional Wholesale/Suburban Water Customers and expand the capabilities of the System.
- Plans are to develop a Website so the DWSD Wholesale/Suburban Water Customers can access the above-mentioned data through the Internet.
- The Meter Operations Division will continue maintain a high level of service and maintenance to the sewer meters and DWSD Customers.
- When PC-713 is complete, responsibility of the control center will then be transferred to DWSD. The department's emergency operations center is also located in this facility.
- The goal of the Watershed Management Initiative is to plan and work toward an environmentally and economically healthy watershed that benefits all who have a stake in it.
- To complete the closeout process of grants in audit by the Federal Government's Environmental Protection Agency. Also, to reach out to local construction and professional services firms to inform them of opportunities with the Department.

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- Information Systems planned initiatives include the following: develop and implement recommendations for telephone system improvements; develop and implement initiatives to improve Total Cost of Ownership for information systems; server consolidation (ongoing); continue with “evergreening” (scheduled replacement) of equipment.
- Conversion of all residential customers to monthly billing (early 2006).
- Opening of the Westside Payment Center for Saturday Hours (Early 2006).
- Upgrade the Customer Billing and Management System (CBMS) of the enQuesta Software.

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ADMINISTRATIVE SERVICES MEASURES AND TARGETS

Type of Performance Measure:	2003-04	2004-05	2005-06	2006-07
List of Measures	Actual	Actual	Projection	Target
Outputs: Units of Activity directed toward Goals				
Number of grant applications/amendments	N/A	2	N/A	1
Value of grant applications/amendments	N/A	\$856,200	N/A	337,700
Number of State Revolving Loan Fund applications	3	0	0	2
Value of loan applications	\$34,520,000	\$0	\$0	\$130,000,000
Wholesale meter maintenance (system total – 55)	55	55	55	55
Activity Costs	\$21,800,408	\$32,527,756	\$37,979,741	\$37,107,710

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of the Director Administration	2005-06 Redbook		2006-07 Dept Final Request		2006-07 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION</i>						
<i>ORGANIZATION</i>						
00089 - Administration						
421010 - Office of the Director	0	\$1,676,291	0	\$602,843	0	\$487,352
421020 - Public Relations	0	\$1,087,757	0	\$1,145,140	0	\$1,145,140
421030 - Document Management	6	\$116,320	6	\$143,605	6	\$136,323
421040 - General Staff Services	0	\$6,794,159	0	\$6,869,443	0	\$6,992,516
421050 - General Departmental Services	0	\$4,242,249	0	\$4,242,249	0	\$4,270,752
421060 - Human Resources	0	\$17,058	0	\$17,058	0	\$17,058
421070 - Safety	3	\$223,763	3	\$296,013	3	\$296,013
421080 - Security	0	\$3,684,161	0	\$3,553,534	0	\$3,553,534
421090 - Office of Program Management Assist	17	\$1,367,490	17	\$1,348,598	18	\$1,321,932
421095 - Capital Management	0	\$84,000	0	\$74,000	0	\$74,000
421100 - Print Shop	3	\$171,619	3	\$167,697	3	\$162,952
421110 - Information Systems Administrative S	0	\$5,757,289	0	\$4,796,194	0	\$4,796,194
421120 - Application Support	0	\$0	0	\$100,088	0	\$100,088
421130 - Software Support	0	\$0	0	\$381,650	0	\$381,650
421140 - Hardware Support	0	\$0	0	\$144,925	0	\$144,925
421150 - Strategic Planning	0	\$0	0	\$6,375	0	\$6,375
421160 - Network Support	0	\$0	0	\$212,373	0	\$212,373
421180 - Radio/SCADA Infrastructure Support	0	\$0	0	\$194,650	0	\$194,650
421200 - Contracts and Grants	0	\$554,996	0	\$614,994	0	\$614,995
421220 - Commercial Operations	0	\$6,230,885	0	\$6,781,169	0	\$6,781,169
421225 - Customer Billing	0	\$339,536	0	\$263,536	0	\$263,536
421230 - Customer Service - Detroit	0	\$39,319	0	\$39,319	0	\$39,319
421235 - Collections	0	\$7,148	0	\$83,148	0	\$83,148
421240 - Addressograph	0	\$643,327	0	\$1,139,642	0	\$1,139,642
421245 - Meter Reading	0	\$21,872	0	\$21,872	0	\$21,872
421250 - Meter Operations	0	\$2,084,166	0	\$1,140,063	0	\$1,141,994
421255 - Meter Records	0	\$16,214	0	\$16,214	0	\$16,214
421260 - Meter Shops	0	\$80,700	0	\$45,684	0	\$45,762
421265 - Meter Instrumentation Shop	0	\$624,711	0	\$353,649	0	\$354,248
421280 - Systems Operations Control	0	\$1,054,441	0	\$1,283,387	0	\$1,283,387
421300 - Operational Services	0	\$95,270	0	\$63,598	0	\$63,597
421310 - Pumping Station - Belle Isle	0	\$965,000	0	\$965,000	0	\$965,000

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Sewerage Department
Financial Detail by Appropriation and Organization

Pumping Station - Belle Isle	2005-06		2006-07		2006-07	
	Redbook		Dept Final		Mayor's	
Administration			Request		Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION</i>						
<i>ORGANIZATION</i>						
00089 - Administration						
421310 - Pumping Station - Belle Isle	0	\$965,000	0	\$965,000	0	\$965,000
APPROPRIATION TOTAL	29	\$37,979,741	29	\$37,107,710	30	\$37,107,710
ACTIVITY TOTAL	29	\$37,979,741	29	\$37,107,710	30	\$37,107,710

CITY OF DETROIT
Budget Development for FY 2006-2007
Appropriations - Summary Objects

	2005-06 Redbook	2006-07 Dept Final Request	2006-07 Mayor's Budget Rec
AC0542 - Administration Services			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	9,417,432	9,879,649	9,881,109
EMPBENESL - Employee Benefi	7,296,114	7,480,123	7,441,219
PROFSVCSL - Professional/Con	3,762,000	4,090,000	4,090,000
OPERSUPSL - Operating Suppli	214,796	245,700	274,203
OPERSVCSL - Operating Servic	11,311,908	10,760,917	10,858,452
OTHEXPSSL - Other Expenses	5,977,491	4,651,321	4,562,727
<i>A42000 - Sewerage Department</i>	<i>37,979,741</i>	<i>37,107,710</i>	<i>37,107,710</i>
AC0542 - Administration Services	37,979,741	37,107,710	37,107,710
Grand Total	37,979,741	37,107,710	37,107,710

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FINANCIAL SERVICES ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: FINANCIAL SERVICES GROUP

The Financial Services Group consists of five (5) divisions, which provide general accounting, purchasing, materials management, financial planning and internal audit services for both (Water Supply and Sewage Treatment Operations) within the department. The divisions reporting to the Financial Services Group include the following:

The **Accounting Division** contains several sections which combined are responsible for directing, coordinating, posting, processing and monitoring activities related to cash receipts and disbursements, investments, bank activities, vendor payments, inventory activities and depreciation of property, plant and equipment, year-end closing and financial operation analysis to facilitate preparation of the trial balance and financial statements. In addition, this division coordinates activities related to the annual city audit, provides financial information as processed by the Oracle system, and performs other related tasks.

The **Financial Planning Division** is responsible for coordination, development, implementation and monitoring activities related to the DWSD operation and maintenance (O&M) budget, water supply and sewage treatment system service rates and charges, coordination of system revenue bond financing, and other related functions for the department.

The **Internal Audit Division** facilitates the department's internal efforts to perform operational audits of transactions, procedures, and processes in various areas within DWSD, analysis and/or other investigative tasks. In addition, this section works with the external auditors to facilitate completion of audit activities. This section reports findings, and makes recommendations when necessary to improve performance of operations, accountability, ensure appropriate accounting controls, and safeguard the department's assets.

Materials Management Division: The mission of the Materials Management Division is to make available a supply of goods and services necessary to support DWSD in its mission at all times, under all conditions, at an optimum value per dollar spent while maintaining public confidence. To accomplish this missions, Materials Management recommends policies and procedures, and executes approved policies and procedures, regarding operations and maintenance of fuel dispensing systems, inventory control, stocking of materials, resource recovery and auditing the preceding functions. The division also provides limited moving, transportation and warehousing services for materials and equipment.

The **Purchasing Division** ensures goods and services are purchased in the most efficient manner, are delivered by the date needed, at the maximum end-use value per dollar spent, and meet the quality specified and finally, that during the entire procurement process, the department has complied with all federal, state and local laws, statutes, ordinances, and executive orders that pertain to the procurement process.

GOALS:

1. To develop and implement fair, equitable water and sewage rates and charges to all system customers using uniform rate methodologies.
2. Improve the integrity and timeliness of posting accounting transactions via the use of the City's Detroit Resource Management System (DRMS), prepare financial statements and perform employee training, and improve customer service.
3. Maintain and/or strive to achieve revenue bond credit ratings upgrades for both systems through continual review and improvement of operational, financial and management policies internal and external to the department.
4. Improve budgetary development and monitoring activities via use of enhanced technology (the City's Budget Resource and Support System-BRASS), business processes and continued employee training in all respective areas, and in the long run reduce operational expenditures where possible emphasizing operational efficiency department-wide.

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5. Perform appropriate internal audit activities, provide recommendations where necessary to facilitate the improvement of operational performance, accountability, ensure appropriate accounting controls, and safeguard the department's assets.
6. Ensure that DWSD has a well-integrated inventory and warehouse system that results in lower inventory and operational costs while customer service levels are maintained or improved. Inventory management must ensure the stock is available while reducing inventory costs; and the warehouse management function must increase productivity and reduce costs by streamlining the physical process of warehousing and producing fewer mistakes.

MAJOR INITIATIVES FOR FY 2005-06 and FY 2006-07:

- Continued with the incorporation of the classification – Purchasing Assistants. The department has three (3).
- Participated, along with staff from MMD and Accounts Payable, the review and analysis of the Work Order/Services Procurement Business Process.
- Participated, along with staff from MMD and Accounts Payable, the review and analysis of the Raw Chemical Procurement Business Process.
- Worked with staff from DWSD – Materials Management and Finance – Purchasing to develop several blanket contracts for DWSD.
- Training & Utilization of the DWSD – Documentum Program.
- Issued Notice of Intent to sell Sewage Revenue Bonds to finance the Capital Improvement Program
- Modify Customer Billing and Management System for monthly billing
- Will continue replacing its aging fleet of forklift equipment.
- Will begin making its unmanned satellite stores locations more secure via monitored alarm systems and making needed repairs to windows and doors.
- To continue 80% high dollar value inventories with multiple 20% inventories occurring continuously throughout the year. This will further increase the inventory accuracy.
- Continue working with DWSD Purchasing to increase the number of stock Blanket Purchase Orders for more of our high turnover items.

PLANNING FOR THE FUTURE FOR FY 2006-07, FY 2007-08 and BEYOND:

- Plan & Develop In-house Educational Workshops for DWSD Staff on the various Procurement Processes, to emphasize cost – saving contract development.
- Participate in the department's Supplier Outreach for 2006 and/or 2007.
- Provide O/EDS Training to staff to enhance skill level and improve current business processes.
- To continue maintaining a purchase requisition processing level in which PO's less than \$25,000 that does not require BOWC approval are processed and delivered within 45 business days.
- Upgrade Customer Billing and Management System Application to the most current version 3.0.
- Upgrade DWSD's asset maintenance system
- Expand the MMD Warehouse Safety Program.
- Working with Field Engineering to more accurately determine pipe needs in advance.

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FINANCIAL SERVICES MEASURES AND TARGETS

Type of Performance Measure:	2003-04	2004-05	2005-06	2006-07
List of Measures	Actual	Actual	Projection	Target
Inputs: Resources Allocated or Service Demands Made				
Materials Management				
Fuel Procurement/Usage (Gallons)	898,713	500,411	515,423	530,885
Efficiency: Program Costs related to Units of Activity				
Stock Inventory Levels (Benchmark – 95%)	98%	98%	98%	99%
Activity Costs	\$2,404,622	\$5,236,955	\$5,677,526	\$5,815,100

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assist Director Financial Service	2005-06		2006-07		2006-07	
	Redbook		Dept Final		Mayor's	
Financial Services Group	FTE	AMOUNT	FTE	AMOUNT	Budget Rec	AMOUNT
<i>APPROPRIATION</i>						
<i>ORGANIZATION</i>						
00090 - Financial Services Group						
422010 - Office of Assist Director Financial Sen	0	\$1,246,906	0	\$980,549	0	\$980,549
422020 - Financial Administrative Services	0	\$322,131	0	\$485,616	0	\$485,616
422030 - Budget/Fiscal Reporting	0	\$1,828	0	\$1,828	0	\$1,828
422040 - Rates	0	\$220,936	0	\$221,246	0	\$221,246
422080 - General Accounting Administrative Se	0	\$1,562,038	0	\$1,729,949	0	\$1,729,949
422090 - Financial Reporting	0	\$4,103	0	\$4,250	0	\$4,250
422100 - Fixed Assets/Inventory/Payables	0	\$17,638	0	\$17,935	0	\$17,935
422110 - Cash Management	0	\$28,586	0	\$28,586	0	\$28,586
422220 - Purchasing	0	\$686,063	0	\$695,340	0	\$695,340
422230 - Materials Management	0	\$1,558,625	0	\$1,626,111	0	\$1,626,111
422235 - Wastewater Plant Stores	0	\$22,718	0	\$17,736	0	\$17,736
422240 - Sewerage Secondary Stores	0	\$3,321	0	\$3,321	0	\$3,321
422250 - Operations Support	0	\$972	0	\$972	0	\$972
422255 - Inventory Audit	0	\$1,661	0	\$1,661	0	\$1,661
APPROPRIATION TOTAL	0	\$5,677,526	0	\$5,815,100	0	\$5,815,100
ACTIVITY TOTAL	0	\$5,677,526	0	\$5,815,100	0	\$5,815,100

CITY OF DETROIT
Budget Development for FY 2006-2007
Appropriations - Summary Objects

	2005-06	2006-07	2006-07
	Redbook	Dept Final	Mayor's
		Request	Budget Rec
AC1042 - Financial Services			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	2,169,149	2,436,505	2,436,505
EMPBENESL - Employee Benefi	1,756,792	1,901,230	1,901,230
OPERSUPSL - Operating Suppli	32,612	26,561	26,561
OPERSVCSL - Operating Servic	1,054	954	954
CAPOUTLSL - Capital Outlays/I	1,210	1,500	1,500
OTHEXPSSL - Other Expenses	1,716,709	1,448,350	1,448,350
<i>A42000 - Sewerage Department</i>	<i>5,677,526</i>	<i>5,815,100</i>	<i>5,815,100</i>
AC1042 - Financial Services	5,677,526	5,815,100	5,815,100
Grand Total	5,677,526	5,815,100	5,815,100

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ASSET MAINTENANCE GROUP ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: ASSET MAINTENANCE GROUP

Asset Maintenance provides maintenance services and facilities support assistance to its internal customers (i.e., the other five (5) administrative and operational groups) of the Water and Sewerage Department. Activities such as corrective and preventive maintenance for equipment and facilities is directed and coordinated through this group. Other functions include buildings, grounds and plant repair chores. This group is also responsible for vehicle fleet management operations and meter calibration and maintenance operations.

Plants, Buildings, Grounds and Mechanical Maintenance (MM) Division: The division provides centralized major maintenance and repair support services at five (5) water plants and 22 water booster stations, customer service centers, Central Services Facility and various other DWSD buildings for the purposes of housekeeping and the grounds maintenance work, as well as electrical, mechanical and the other tasks where skilled trades work is needed. It also provides a support base for the equipment repair, calibration or replacements particularly for HVAC and other building equipment, as well as pumps, motors, valves and electrical power distribution equipment. This division also provides the vehicle fleet management for the department's fleet of vehicles and mobile construction equipment. This division assists Maintenance and Repair Division in repair of water mains and water distribution system valves.

The **Maintenance and Repair Division** repairs and maintains the water distribution and wastewater collection systems. The Division comprised of four (4) districts maintains all allied appurtenances, such as fire hydrants, water and sewer manholes, valves, water/sewer service lines and storm water basins and lead lines. The Telecommunications, Claims, Dispatch and Field Inspection Forces provide support services to the departments' nearly 4 million customers.

GOALS:

The Plants, Buildings, Grounds and Mechanical Maintenance Division's goals are:

1. Improve pumping equipment availability and reliability for the maximum utilization of the water plants and water booster stations.
2. Improve buildings and grounds maintenance of unmanned water booster stations.
3. Improve employees' safety at work locations and the general efficiency and effectiveness of their support function.
4. Continue to implement PM (preventive maintenance) measures on critical pumping and other equipment at water plants and water booster stations.
5. Continue to implement a management succession – planning program.

The Maintenance and Repair Division's goals are:

1. To increase customer satisfaction by reducing the number of water and sewer complaints.
2. Establish Divisional Training to reduce lost time accidents, and provide succession training to meet Divisional needs.
3. Establish preventive maintenance programs in the water and sewer areas to improve efficiency.

MAJOR INITIATIVES FOR FY 2005-06 and FY 2006-07:

- The continued reduction of customer complaints, which translates into, improved customer service.
- Increase employee productivity while increasing work place safety via a proactive approach & improved communication.

PLANNING FOR THE FUTURE FOR FY 2006-07, FY 2007-08 and BEYOND:

- The establishment of a GIS Section
- Identify, recommend & implement changes to sustain improvements in productivity and safety.

SEWERAGE (42)

ASSET MAINTENANCE MEASURES AND TARGETS

Type of Performance Measure:	2003-04	2004-05	2005-06	2006-07
List of Measures	Actual	Actual	Projection	Target
Outputs: Units of Activity directed toward Goals				
Sites Maintained	20	20	20	20
Acreage Maintained	350	350	350	350
Vehicle Repairs performed	1,296	935	N/A	1,000
Outcomes: Results or Impacts of Program Activities				
Major Pumping Units Availability – Sewage (Benchmark – 85%)	88%	90%	95%	95%
Activity Costs	\$3,218,020	\$6,911,207	\$16,448,173	\$16,424,933

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assistant Director Asset Mainten Asset Maintenance Group	2005-06 Redbook		2006-07 Dept Final Request		2006-07 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00161 - Asset Maintenance Group						
424010 - Office of Assistant Director Asset Mair	0	\$822,549	0	\$155,485	0	\$155,498
424120 - Mechanical Operations Administration	0	\$4,834,238	0	\$5,152,400	0	\$5,152,359
424130 - Ground Maintenance	0	\$24,462	0	\$17,425	0	\$17,425
424140 - Field Operations	0	\$1,411,553	0	\$1,449,802	0	\$1,449,803
424150 - Mechanical Maintenance	0	\$771,046	0	\$735,051	0	\$735,051
424190 - Water Board Building	0	\$1,648,394	0	\$1,683,695	0	\$1,683,695
424240 - Maintenance and Repair 2004	0	\$6,065,253	0	\$6,360,481	0	\$6,360,508
424260 - West Yard	0	\$42,609	0	\$42,609	0	\$42,609
424360 - Central Service Facility	0	\$828,070	0	\$827,985	0	\$827,985
APPROPRIATION TOTAL	0	\$16,448,173	0	\$16,424,933	0	\$16,424,933
ACTIVITY TOTAL	0	\$16,448,173	0	\$16,424,933	0	\$16,424,933

CITY OF DETROIT
Budget Development for FY 2006-2007
Appropriations - Summary Objects

	2005-06 Redbook	2006-07 Dept Final Request	2006-07 Mayor's Budget Rec
AC1542 - Asset Management			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	5,989,637	6,682,299	6,682,314
EMPBENESL - Employee Benefi	5,176,153	5,196,343	5,196,313
PROFSVCSL - Professional/Con	2,215,000	2,364,000	2,364,000
OPERSUPSL - Operating Suppli	943,424	787,266	787,266
OPERSVCSL - Operating Servic	889,192	896,350	896,350
CAPEQUPSL - Capital Equipmei	3,000	3,000	3,000
CAPOUTLSL - Capital Outlays/M	20,000	20,000	20,000
OTHEXPSSL - Other Expenses	1,211,767	475,675	475,690
<i>A42000 - Sewerage Department</i>	<i>16,448,173</i>	<i>16,424,933</i>	<i>16,424,933</i>
AC1542 - Asset Management	16,448,173	16,424,933	16,424,933
Grand Total	16,448,173	16,424,933	16,424,933

SEWERAGE (42)

ENGINEERING SERVICES GROUP ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: ENGINEERING SERVICES GROUP-SEWER

Engineering Services Group provides engineering services to the remaining four- (4) operational groups within the department. The Group consist of seven (7) broad functional groups: Engineering/Administrative Support, Wastewater Design and Construction, Facilities Design, Water & Sewer Systems, Field Engineering and Combined Sewer Overflow Groups. A description of each group follows:

Engineering Administration is headed by the Assistant Director of Engineering Services. This person acts as general manager providing overall guidance and direction to the 7 subgroups. The general and assistant superintendents of Engineering guide execution of the day-to-day engineering/contract activities. The Engineering and Administrative Support section provides general support to the Division's other six (6) groups. Support activities include fiscal projection and management, human resources management, material resources management, organizational development and training, statistical operations reporting, project accounting and reporting, and property management.

The **Wastewater Design and Construction Group** is located at the department's wastewater treatment and is singularly responsible for all design and construction of improvements and additions at that plant. As necessary, it solicits construction inspection services from the Field Engineering Group. The group inspects construction and alteration of the Wastewater Treatment Plant buildings and equipment for contract conformance. This group reviews drawings and procedures design documents in coordination with the Wastewater Design Group.

The **Facilities Design Group** directs and coordinates the preparation of design reports, cost estimates, and plans and specifications, by in-house or consultant forces, and acts as a resource for construction or field engineering staff efforts for projects related to Department locations and facilities excluding the Wastewater Treatment Plant and sewage pumping stations. All design work related to water production, pumping, metering and storage facilities is serviced by this group.

The **Water & Sewer Systems Group** directs and coordinates the preparation of design reports, cost estimates, plans and specifications for all transmission/distribution mains for water and sewer projects. This group is also responsible for the maintenance of all maps and records associated with the water and sewer system. This group consists of four (4) sections: Urban Design, Planning, Suburban Engineering and Records, and Major Design.

The **Field Engineering Group** plans, directs, and coordinates field engineering personnel in ongoing construction management of water mains, sewers, building construction, and equipment installation contracts; oversees all Water Treatment Plant renovations and provides construction inspection services to the Wastewater Design and Construction Group as necessary to support than group's efforts; insures the structural integrity of water systems during new and alteration construction work; initiates change orders; and provides locations stake-out under the Miss Dig system.

The **Combined Sewer Overflow (CSO) Group** directs and coordinates the preparation of design reports, cost estimates, and plans and specifications by consultant forces and acts as a resource to the construction or field engineering staff for projects related to CSO.

GOALS:

1. To perform the related functions of these divisions by reasonably and conservatively coordinating and managing resources via each operational group.
2. To insure that all engineering designs are in compliance with all federal, state and local agency requirements.
3. To insure that all water, sewage disposal and wastewater facilities are constructed in conformity with the plans and specifications, and those specifications are functional.

SEWERAGE (42)

MAJOR INITIATIVES FOR FY 2005-06 and FY 2006-07:

- Upgrades to electrical systems with additional emergency generators at the Water Works Park and Northeast water plants and Wick and Schoolcraft pumping stations along with remote monitoring and control for all new and existing generators. This project will provide adequate water to the entire service area in the event of a system-wide power failure.
- Rehabilitation of water filters media, controls and piping systems at the Springwells and Northeast water treatment plants.
- Rehabilitation of aging pumping systems and upgrades to energy efficient variable speed motor drives at the Schoolcraft Pumping Station, Wick Pumping Station, Northeast Plant High Lift and Lake Huron Plant High Lift.
- Replacement of the residential and commercial water meters and the addition of Automated Meter Reading.

PLANNING FOR THE FUTURE FOR FY 2006-07, FY 2007-08 and BEYOND:

- Waste washwater treatment at the Northeast Water Plant.
- Rebuilding of the settling basins and pre-treatment processes at the Springwells Water Plant.
- Expansion of the Rochester, Ypsilanti and Newburgh pumping stations.
- Construction of the Snover Road pumping station.

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assistant Director of Engineering Engineering Services - Sewage	2005-06 Redbook		2006-07 Dept Final Request		2006-07 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
05831 - Engineering Services - Sewage						
423010 - Office of Assistant Director of Enginee	0	\$1,161,577	0	\$503	0	\$237,928
423020 - Engineering Administrative Services	135	\$2,676,859	124	\$3,448,183	124	\$3,210,757
423030 - Field Engineering Group	0	\$34,437	0	\$34,436	0	\$34,437
423040 - Wastewater Design	0	\$24,595	0	\$24,595	0	\$24,595
423050 - Sewerage System	0	\$34,211	0	\$34,211	0	\$34,211
APPROPRIATION TOTAL	135	\$3,931,679	124	\$3,541,928	124	\$3,541,928
ACTIVITY TOTAL	135	\$3,931,679	124	\$3,541,928	124	\$3,541,928

CITY OF DETROIT
Budget Development for FY 2006-2007
Appropriations - Summary Objects

	2005-06 Redbook	2006-07 Dept Final Request	2006-07 Mayor's Budget Rec
AC2042 - Engineering Services - Sewage			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	2,387,075	2,358,727	2,358,727
EMPBENESL - Employee Benefi	159,227	950,150	712,725
PROFSVCSL - Professional/Con	52,500	52,500	52,500
OPERSUPSL - Operating Suppli	146,434	146,434	146,434
OPERSVCSL - Operating Servic	441,930	466,930	466,930
OTHEXPSSL - Other Expenses	744,513	(432,813)	(195,388)
<i>A42000 - Sewerage Department</i>	3,931,679	3,541,928	3,541,928
AC2042 - Engineering Services - Sewage	3,931,679	3,541,928	3,541,928
Grand Total	3,931,679	3,541,928	3,541,928

SEWERAGE (42)

WASTEWATER OPERATIONS ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: WASTEWATER OPERATIONS

Wastewater Operations consists of the Wastewater Treatment Plant and the Industrial Waste Control Division.

A description of each group follows:

The Wastewater Treatment Plant is operated on a basis. Operations at the plant include treatment of wastewater, the removal and disposal of solids collected from wastewater, disinfection of the wastewater effluent, analysis of wastewater and industrial waste samples to insure compliance with various ordinances, laws, the plant's Renewal Operating Permit (ROP), National Pollutant Discharge Elimination System (NPDES) Permit, and performance of maintenance tasks on plant equipment.

The Industrial Waste Control Division regulates the discharge of wastewater into the sewerage system from commercial, industrial and other non-domestic sources. These activities include on-site inspections of facility operations, monitoring of wastewater discharges, issuance of permits with applicable requirements and controls, and enforcement of the City of Detroit Ordinance 23-86, 34-96, and applicable federal and state laws.

GOALS:

Wastewater Treatment Plant

1. Produce a quality effluent.
2. Manage residuals processing and disposal.
3. Achieve regulatory compliance in an effective and efficient manner.

MAJOR INITIATIVES FOR FY 2005-06 and FY 2006-07:

- The WWTP will start-up and operate new equipment.
- The WWTP will coordinate ongoing and new Capital Improvement Projects (CIP) construction projects that significantly impact the operation of the WWTP.
- The WWTP will implement necessary changes to the training program.
- The Department has implemented new processes and software tools to improve the management of the Capital Improvement Program. A new Group has been created to manage the CIP, Department wide; coordinating the planning and implementation of all CIP projects. This will ensure the long-term success of the WWTP CIP. The transition of the responsibility to execute WWTP CIP projects from PC-744 back to DWSD has begun with the critical planning and project definition phase activities for new projects.
- The lease for MCHT will expire in 2009; a new laboratory facility is needed and a capital project is being defined.

The WWOG continues to progress towards the goal of meeting benchmark standards of 80 percent planned maintenance and 20 percent unplanned. In order to meet this goal, changes will take place in the organizational structure and job duties of staff. The full implementation of the plant wide control and SCADA system will support goal attainment.

During this fiscal year of the WWOG began/will begin operating and maintaining the newly completed Connor Creek and Baby Creek CSO facilities. By 2006/07, eight facilities will need to be in place to operate and maintain these additional facilities.

PLANNING FOR THE FUTURE FOR FY 2006-07, FY 2007-08 and BEYOND:

The WWTP has a high seniority work force. Estimates indicated that approximately 1/3 of the staff could retire immediately. Attrition is ongoing. Over eighty people are expected to reach thirty years of employment in 05/06. These numbers are expected to increase in the next two years. To date, most people attaining thirty years of employment are retiring. In order to minimize the impact of this change, the plant is reviewing its succession and workforce management plans to address both immediate and future needs.

SEWERAGE (42)

GOALS:

Industrial Waste Control

1. To implement a complete regulatory control program of all non-domestic wastewater released to the Detroit Sewerage Collection System.
2. To initiate appropriate enforcement actions to remedy non-complying discharges, including administrative and legal actions.
3. To protect and preserve the local environment of the city of Detroit and southeastern Michigan.

MAJOR INITIATIVES FOR FY 2005-06 and FY 2006-07:

- Development and implementation of “Best Management Practices” program to achieve discharge water-quality improvements.
- PIMS implementation
- Monitor and track Ordinance revision process by Suburban Communities and initiate compliance efforts

PLANNING FOR THE FUTURE FOR FY 2006-07, FY 2007-08 and BEYOND:

- Explore feasibility of electronic reporting from commercial & industrial users.
- Staff evaluation for retirement and personnel transition.

SEWERAGE (42)

WASTEWATER OPERATIONS MEASURES AND TARGETS

Type of Performance Measure:	2003-04	2004-05	2005-06	2006-07
List of Measures	Actual	Actual	Projection	Target
Outputs: Units of Activity directed toward Goals				
Average sewage pumped per day (MGD)	658	674	690	690
Sludge produced (wet tons)	756,935	775,340	793,750	742,764
Tons of materials incinerated (wet)	708,800	697,810	714,370	626,510
Number of facility inspections	755	1,000	1,100	1,100
Number of wastewater permits	475	512	520	520
Number of enforcement notices and violations	340	400	400	350
Number of compliance and administrative hearings	92	75	75	75
Number of civil actions initiated	1	0	2	2
Value of penalties/fees assessed	\$129,508	\$75,000	\$100,000	\$100,000
Number of samples collected	11,452	12,000	12,000	12,000
Number of permits revoked	0	0	0	0
Activity Costs	\$117,321,817	\$113,256,179	\$123,811,497	\$126,086,151

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assistant Director of Wastewater Wastewater Plant Operations	2005-06 Redbook		2006-07 Dept Final Request		2006-07 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00162 - Wastewater Plant Operations						
425010 - Office of Assistant Director of Wastew	6	\$12,396,444	6	\$1,161,808	6	\$2,933,123
425020 - Plant Administration	907	\$59,155,340	904	\$68,790,145	904	\$67,203,260
425030 - Analytical Laboratory	0	\$1,088,500	0	\$949,040	0	\$949,040
425040 - Control System Engineering	0	\$216,400	0	\$512,000	0	\$512,000
425060 - Document Control	0	\$184,579	0	\$184,579	0	\$184,579
425070 - Treatment Plant Maintenance	0	\$5,973,525	0	\$6,551,400	0	\$6,551,400
425080 - Operations Laboratory	0	\$105,000	0	\$128,625	0	\$128,625
425090 - Plant Engineering	0	\$3,000	0	\$3,000	0	\$3,000
425100 - Process Engineering	0	\$4,678,156	0	\$5,133,425	0	\$5,133,425
425110 - Training	0	\$8,000	0	\$62,700	0	\$62,700
425120 - Treatment Operations	0	\$29,564,200	0	\$31,015,364	0	\$31,015,364
425130 - Industrial Waste Control Administration	0	\$678,250	0	\$677,000	0	\$677,000
425140 - I. W. C. Field Monitoring	112	\$6,553,203	112	\$7,733,565	112	\$7,549,135
425150 - I. W. C. Program Operations	0	\$2,366,500	0	\$2,174,500	0	\$2,174,500
425395 - Puritan / Fenkell	0	\$735,900	0	\$295,500	0	\$295,500
425400 - 7 Mile	0	\$0	0	\$25,000	0	\$25,000
425410 - Hubble / Southfield	0	\$0	0	\$90,000	0	\$90,000
425420 - Leib - CSO	0	\$0	0	\$19,000	0	\$19,000
425425 - St. Aubin - CSO	0	\$0	0	\$24,000	0	\$24,000
425430 - Inspection & Permits	0	\$66,500	0	\$66,500	0	\$66,500
425440 - Enforcement, Field Investigation & Mo	0	\$28,000	0	\$28,000	0	\$28,000
425450 - Revenue Program & Pollution Prevent	0	\$10,000	0	\$12,000	0	\$12,000
425465 - Connor Creek CSO Basin	0	\$0	0	\$369,000	0	\$369,000
425470 - Baby Creek CSO Basin	0	\$0	0	\$80,000	0	\$80,000
APPROPRIATION TOTAL	1025	\$123,811,496	1022	\$126,086,151	1022	\$126,086,151
ACTIVITY TOTAL	1025	\$123,811,496	1022	\$126,086,151	1022	\$126,086,151

CITY OF DETROIT
Budget Development for FY 2006-2007
Appropriations - Summary Objects

	2005-06 Redbook	2006-07 Dept Final Request	2006-07 Mayor's Budget Rec
AC2542 - Sewer Operations			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	46,652,666	50,651,711	50,651,711
EMPBENESL - Employee Benefi	14,514,512	20,387,156	18,603,076
PROFSVCSL - Professional/Con	9,196,581	11,184,965	11,184,965
OPERSUPSL - Operating Suppli	13,936,100	13,939,925	13,939,925
OPERSVCSL - Operating Servic	27,951,980	29,675,394	29,675,394
CAPOUTLSL - Capital Outlays/I	0	500	500
OTHEXPSSL - Other Expenses	11,559,657	246,500	2,030,580
<i>A42000 - Sewerage Department</i>	<i>123,811,496</i>	<i>126,086,151</i>	<i>126,086,151</i>
AC2542 - Sewer Operations	123,811,496	126,086,151	126,086,151
Grand Total	123,811,496	126,086,151	126,086,151

SEWERAGE (42)

SEWERAGE - CAPITAL ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: SEWERAGE - CAPITAL PROGRAM

The capital program for the Sewage Disposal System is a five-year plan devoted to replacing, rehabilitating, or improving existing process facilities at the Wastewater Treatment Plant; construction or installation of new facilities at the Wastewater Treatment Plant; rehabilitating sewage pumping stations and major sewers; construction of retention basins and other combined sewer overflow (CSO) control measures throughout the combined sewer system; replacement of suburban sewage primary measuring devices; replacing or relining deteriorated lateral sewers in the city of Detroit; installing new sewers or re-routing existing sewers to accommodate new development in the Empowerment Zone and throughout the city of Detroit; automating the meter reading function; and upgrading the instrumentation and process control equipment for the Wastewater Treatment Plant and the sewage collection system.

GOALS:

To provide essential, efficient and user-friendly services by:

1. Continuing to improve, expand, and rehabilitate the Wastewater Treatment Plant to provide a cost-effective and energy efficient sewage treatment facility that meets all water and air quality standards.
2. Continuing to construct combined sewer retention basins, rehabilitate and improve sewage pumping stations and implement other measures for the containment of combined sewer overflow, thereby reducing the frequency and magnitude of combined sewer overflows to the Detroit and Rouge rivers.
3. Continuing to construct those interceptor and control facilities needed to adequately service all customers, and replacing and rehabilitating suburban wholesale customer primary measuring devices and meter pits to more accurately measure and bill for wastewater treatment service provided.
4. Continuing to replace those lateral sewers in the city of Detroit which are deteriorated or are of insufficient capacity to service customers.
5. Continuing to computerize various wastewater functions to reduce costs and improve operations.

SEWERAGE (42)

SEWERAGE - CAPITAL MEASURES AND TARGETS

Type of Performance Measure: List of Measures	2003-04 Actual	2004-05 Actual	2005-06 Projection	2006-07 Target
Outputs: Units of Activity directed toward Goals				
Number of capital projects – Wastewater Treatment Plant	66	113	70	46
Value of capital projects – Wastewater Treatment Plant	214,835,000	192,940,000	91,746,000	46,664,000
Number of capital projects – not at Wastewater Treatment Plant	25	35	26	24
Value of capital projects - not at Wastewater Treatment Plant	93,485,000	99,430,000	120,547,000	68,140,000
Number of capital projects – interceptor and control facilities	5	3	3	5
Value of capital projects – interceptor and control facilities	2,586,000	912,000	2,279,000	5,643,000
Number of capital projects - computerization	23	34	25	20
Value of capital projects - computerization	30,292,000	31,735,000	26,449,000	35,194,000
Number of capital projects – in City lateral sewers	8	9	5	7
Value of capital projects – in City lateral sewers	32,858,000	30,449,000	18,278,000	37,676,000
Total number of ongoing projects	127	194	129	102
Total value of ongoing projects	374,056,000	355,466,000	259,299,000	193,317,000
Activity Costs	\$126,208,027	\$96,939,407	\$205,099,500	\$577,773,794

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Bond Principle & Interest Redemption Fund Interest and Bond Redemption	2005-06 Redbook		2006-07 Dept Final Request		2006-07 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00168 - Interest and Bond Redemption						
427010 - Bond Principle & Interest Redemption	0	\$150,230,400	0	\$156,413,794	0	\$156,413,794
APPROPRIATION TOTAL	0	\$150,230,400	0	\$156,413,794	0	\$156,413,794
00169 - Sewerage System Improvements						
427030 - Sewerage System Improvements	0	\$45,819,100	0	\$45,213,900	0	\$45,213,900
APPROPRIATION TOTAL	0	\$45,819,100	0	\$45,213,900	0	\$45,213,900
00443 - Extraordinary Repairs and Replacement						
427040 - Extraordinary Repair & Replacement	0	\$0	0	\$146,100	0	\$146,100
APPROPRIATION TOTAL	0	\$0	0	\$146,100	0	\$146,100
05735 - Sewerage Reserve Deposit						
427025 - Sewerage Reserve Deposit	0	\$1,000,000	0	\$1,000,000	0	\$1,000,000
APPROPRIATION TOTAL	0	\$1,000,000	0	\$1,000,000	0	\$1,000,000
11488 - Sewerage Bond Fund Series 2005						
427226 - Sewerage Bond Fund Series 2005	0	\$8,050,000	0	\$375,000,000	0	\$0
APPROPRIATION TOTAL	0	\$8,050,000	0	\$375,000,000	0	\$0
12139 - Sewerage Bond Fund Series 2007						
427227 - Sewerage Bond Fund Series 2007	0	\$0	0	\$0	0	\$375,000,000
APPROPRIATION TOTAL	0	\$0	0	\$0	0	\$375,000,000
ACTIVITY TOTAL	0	\$205,099,500	0	\$577,773,794	0	\$577,773,794

CITY OF DETROIT
Budget Development for FY 2006-2007
Appropriations - Summary Objects

	2005-06 Redbook	2006-07 Dept Final Request	2006-07 Mayor's Budget Rec
AC3042 - Sewerage - Capital and Debt Service			
<i>A42000 - Sewerage Department</i>			
CAPEQUPSL - Capital Equipment	8,500,000	8,500,000	8,500,000
OTHEXPSSL - Other Expenses	46,369,100	412,860,000	412,860,000
FIXEDCHGSL - Fixed Charges	150,230,400	156,413,794	156,413,794
<i>A42000 - Sewerage Department</i>	<i>205,099,500</i>	<i>577,773,794</i>	<i>577,773,794</i>
AC3042 - Sewerage - Capital and Debt Ser	205,099,500	577,773,794	577,773,794
Grand Total	205,099,500	577,773,794	577,773,794

CITY OF DETROIT
Budget Development for FY 2006-2007
Appropriation Summary - Revenues

	2004-05 Actuals	2005-06 Redbook	2006-07 Dept Final Request	2006-07 Mayor's Budget Rec	Variance
A42000 - Sewerage Department					
00759 - Sewage Bond Reserve					
461100 - Earnings On Investmer	3,882,406	0	0	0	0
461101 - Unrealized Gain	0	0	0	0	0
00759 - Sewage Bond Reserve	3,882,406	0	0	0	0
00838 - State Revenue Sharing - State Revolv F					
461100 - Earnings On Investmer	1,233,912	9,120,600	6,642,800	6,642,800	(2,477,800)
461101 - Unrealized Gain	(341,347)	0	0	0	0
522110 - Project Borrowings	0	8,050,000	0	0	(8,050,000)
00838 - State Revenue Sharing - Stati	892,565	17,170,600	6,642,800	6,642,800	(10,527,800)
00956 - Sewage Bond Fund Series 1995A					
461100 - Earnings On Investmer	7,438	0	0	0	0
00956 - Sewage Bond Fund Series 19	7,438	0	0	0	0
04828 - Revenue - Sewerage Receiving					
413155 - Sewer Tap Fees	559,795	0	0	0	0
441100 - Other Labors and Mate	9,267	100,000	100,000	100,000	0
447236 - City of Detroit IWC Cha	3,673,897	0	0	0	0
447237 - Highway Drainage	1,058,166	0	0	0	0
447240 - Industrial Waste Surch	10,069,456	0	0	0	0
447246 - IWC Penalties - Detroit	29,815	0	0	0	0
447250 - Sewage Treatment Sal	121,205,281	179,393,800	180,272,000	180,272,000	878,200
447255 - Sewage Treatment - W	164,706,796	181,553,800	190,303,900	190,303,900	8,750,100
447260 - Pollutant Surcharges	6,548,216	3,208,300	3,421,700	3,421,700	213,400
447285 - Sewage Disposal -Depi	281,061	0	0	0	0
447287 - Septic Tank Disposal	191,270	0	0	0	0
447300 - Other Utility Revenue	8,363,485	0	0	0	0
448115 - Other Fees	33,280	3,900,000	3,890,000	3,890,000	(10,000)
461100 - Earnings On Investmer	640,170	75,000	75,000	75,000	0
462100 - Rental-Public Bldgs & S	0	0	0	0	0
462135 - Building Rentals -I	27,046	0	0	0	0
462241 - Rent of Building and S	20,003	0	0	0	0
472117 - Late Payment Fee	1,991,933	0	0	0	0
472150 - Other Miscellaneous	5	0	0	0	0
472220 - Ng Check Service Cha	140	0	0	0	0
474100 - Miscellaneous Receipts	0	17,716	171,216	171,216	153,500
04828 - Revenue - Sewerage Receiving	319,409,082	368,248,616	378,233,816	378,233,816	9,985,200
04829 - Revenue - Sewerage Operation - Mainte					
461100 - Earnings On Investmer	135,679	990,000	755,200	755,200	(234,800)
472117 - Late Payment Fee	0	0	0	0	0

CITY OF DETROIT
Budget Development for FY 2006-2007
Appropriation Summary - Revenues

	2004-05 Actuals	2005-06 Redbook	2006-07 Dept Final Request	2006-07 Mayor's Budget Rec	Variance
A42000 - Sewerage Department					
04829 - Revenue - Sewerage Operation - Mainte					
472150 - Other Miscellaneous	715,438	0	0	0	0
04829 - Revenue - Sewerage Operatic	851,117	990,000	755,200	755,200	(234,800)
00168 - Interest and Bond Redemption					
461100 - Earnings On Investmer	1,057,664	4,493,500	4,085,100	4,085,100	(408,400)
461101 - Unrealized Gain	15,579	0	0	0	0
00168 - Interest and Bond Redemptioi	1,073,243	4,493,500	4,085,100	4,085,100	(408,400)
00169 - Sewerage System Improvements					
461100 - Earnings On Investmer	171,685	899,400	893,200	893,200	(6,200)
00169 - Sewerage System Improveme	171,685	899,400	893,200	893,200	(6,200)
00443 - Extraordinary Repairs and Replacement					
461100 - Earnings On Investmer	1,335,438	1,146,000	1,139,500	1,139,500	(6,500)
461101 - Unrealized Gain	(369,236)	0	0	0	0
00443 - Extraordinary Repairs and Re	966,202	1,146,000	1,139,500	1,139,500	(6,500)
10267 - 1999 Sewerage Bond Series					
461100 - Earnings On Investmer	65,918	0	0	0	0
10267 - 1999 Sewerage Bond Series	65,918	0	0	0	0
10726 - Sewer Bond Fund - Series 2001					
461100 - Earnings On Investmer	114,311	0	0	0	0
10726 - Sewer Bond Fund - Series 20	114,311	0	0	0	0
11320 - Sewerage Bond Fund Series 2003					
461100 - Earnings On Investmer	5,439,864	0	0	0	0
461101 - Unrealized Gain	(509,858)	0	0	0	0
11320 - Sewerage Bond Fund Series :	4,930,006	0	0	0	0
11488 - Sewerage Bond Fund Series 2005					
461100 - Earnings On Investmer	1,914,306	0	0	0	0
461101 - Unrealized Gain	137,001	0	0	0	0
522100 - Sale Of Bonds	0	0	375,000,000	0	0
11488 - Sewerage Bond Fund Series :	2,051,307	0	375,000,000	0	0
12139 - Sewerage Bond Fund Series 2007					
522100 - Sale Of Bonds	0	0	0	375,000,000	375,000,000
12139 - Sewerage Bond Fund Series :	0	0	0	375,000,000	375,000,000
A42000 - Sewerage Department	334,415,280	392,948,116	766,749,616	766,749,616	373,801,500
Grand Total	334,415,280	392,948,116	766,749,616	766,749,616	373,801,500

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Sewerage Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
00086 - Financial Services Group			
423020 - Engineering Administrative Service			
Sr Assoc Mech Eng - Design	0	0	0
Sr Asst Elect Eng - Design	0	0	0
Sr Assoc Civil Eng - Design	0	0	0
Assistant Civil Engineer	0	0	0
Sr Assoc Elect Eng - Design	0	0	0
Drafting Technician III	0	0	0
Associate Civil Eng - Design	0	0	0
Assistant Mechanical Engineer	0	0	0
Total Engineering Administrative Services	0	0	0
Total Financial Services Group	0	0	0
00089 - Administration			
421030 - Document Management			
Admin Asst GD II - DWSD	1	1	1
Principal Clerk	2	2	2
Senior Clerk	1	1	1
Office Assistant II	1	1	1
Messenger	1	1	1
Total Document Management	6	6	6
421070 - Safety			
Principal Governmental Analyst	1	1	1
Principal Clerk	2	2	2
Total Safety	3	3	3
421090 - Office of Program Management Ass			
Engineer of Water Systems	1	1	1
Admin Asst GD IV	1	1	1
Admin Asst GD III	1	1	1
Administrative Specialist I	1	1	1
Principal Governmental Analyst	3	3	3
Sr Governmental Analyst	3	3	3
Sr Asst Civil Eng - Wastewater	1	1	1

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Sewerage Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
00089 - Administration			
421090 - Office of Program Management Ass			
Head Clerk	1	1	1
Principal Clerk	1	1	1
Office Assistant III	1	1	1
Office Assistant II	2	2	2
Messenger	1	1	1
General Manager - DWSD	0	0	1
Total Office of Program Management Assista	17	17	18
421100 - Print Shop			
Supervisor of Printing	1	1	1
Duplicating Devices Operator	1	1	1
Offset Printer	1	1	1
Total Print Shop	3	3	3
Total Administration	29	29	30
00162 - Wastewater Plant Operations			
425010 - Office of Assistant Director of Wast			
Asst Dir -DWSD Wastewater Oper	1	1	1
Head Eng - Water Sys-Operation	1	1	1
Engineer of Wastewater Systems	1	1	1
Manager I - DWSD	1	1	1
Head Governmental Analyst	1	1	1
Office Assistant III	1	1	1
Total Office of Assistant Director of Wastewat	6	6	6
425020 - Plant Administration			
Chief Sewage Plant Engineer	1	1	1
Asst Chief - WWTP-Technical	1	1	1
Manager II - DWSD	1	1	1
Office Management Assistant	2	2	2
Administrative Specialist I	1	1	1
Admin Asst GD II - DWSD	2	2	2
Sr Governmental Analyst	2	2	2

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Sewerage Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
00162 - Wastewater Plant Operations			
425020 - Plant Administration			
Head Clerk	3	3	3
Principal Clerk	1	1	1
Senior Clerk	29	27	27
Office Assistant III	12	12	12
Sr Promotional Activities Asst	1	0	0
Water/Wastewater Sys Maint Eng	1	1	1
Engineer of Water Systems	6	6	6
Sr Assoc Civil Eng - Waste	5	5	5
Sewage Plant Opr Super	2	2	2
Sr Assoc Mech Eng - Waste	3	3	3
Associate Civil Eng - Design	10	10	10
Assoc Mech Eng -Wastewater Sys	9	9	9
Sr Assoc Elect Eng - Waste	7	7	7
Eng Support Specialist II	2	2	2
Senior Water Systems Chemist	17	17	17
Water Systems Chemist	45	45	45
Senior Analytical Chemist	10	10	10
Analytical Chemist	31	31	31
Microbiologist	5	5	5
Drafting Technician III	1	1	1
Drafting Technician II	3	3	3
Building Operator II	10	10	10
Assoc Elect Eng - Design	4	4	4
Wastewater Systems Trng Sprv	1	1	1
Principal Training Specialist	1	1	1
Senior Training Specialist	2	2	2
Plant Maintenance Sr Foreman	7	7	7
Plant Maintenance Foreman	21	21	21
Plant Maintenance Sub-Foreman	17	17	17
Plant Maintenance Mechanic	54	54	54
Repair Mechanic	30	30	30

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Sewerage Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
00162 - Wastewater Plant Operations			
425020 - Plant Administration			
Mechanical Helper	12	12	12
Water Sys Cntrl Instr Tech	17	17	17
Control Instru Tech -Foreman	1	1	1
Cont Instr Tech Sub-Foreman-Wa	8	8	8
Wastewater Treatment Plant Tec	8	8	8
Water Systems Laboratory Aid	3	3	3
Elect Worker Foreman	1	1	1
Elect Worker Sub-Foreman	7	7	7
Elect Worker - General	32	32	32
Elect Repair Worker - General	6	6	6
Maintenance Millwright	10	10	10
Electrical Helper	1	1	1
General Welder	4	4	4
Finish Carpenter	4	4	4
Bricklayer	4	4	4
Master Plumber	1	1	1
Plumber	24	24	24
Steamfitter	3	3	3
Supervising Bldg Attendant I	2	2	2
Senior Building Attendant	2	2	2
Building Attendant A	28	28	28
Park Maintenance Foreman	2	2	2
Park Maintenance Worker	6	6	6
Park Maintenance Helper	2	2	2
WWTP Maintenance Superintenden	1	1	1
Wastewater Plant General Sprv	1	1	1
Sewage Plant Laboratory Sprv	2	2	2
Asst Sewage Plant Oper Super	1	1	1
Asst Sewage Plant Lab Sprv	4	4	4
Sewage Plant Supervisor	7	7	7
Head Sewage Plant Operator	22	22	22

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Sewerage Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
00162 - Wastewater Plant Operations			
425020 - Plant Administration			
Asst Head Sewage Plant Oper	60	60	60
Sr Sewage Plant Operator	11	11	11
Wastewater Process Controller	11	11	11
Sewage Plant Operator	130	130	130
Sewage Plant Attendant	102	102	102
Vehicle Operator I	4	4	4
Delivery - Driver	3	3	3
Total Plant Administration	907	904	904
425140 - I. W. C. Field Monitoring			
Manager I - DWSD	1	1	1
Admin Asst GD II - DWSD	1	1	1
Administrative Specialist I	1	1	1
Indus Waste Control Mgr	1	1	1
Sprv of Indust Waste Control	2	2	2
Engineer of Water Systems	1	1	1
Chemical Engineer	2	2	2
Sr Assoc Chem Eng-Indust Waste	4	4	4
Assoc Chem Eng-Wastewater Sys	12	12	12
Sr Asst Chem Eng Indust Waste	12	12	12
Sr Indus Wastewater System	5	5	5
Principal Governmental Analyst	2	2	2
Sr Governmental Analyst	3	3	3
Office Management Assistant	1	1	1
Head Clerk	1	1	1
Principal Clerk	2	2	2
Senior Clerk	4	4	4
Office Assistant III	3	3	3
Senior Stenographer	1	1	1
Office Assistant II	1	1	1
Clerk	1	1	1
Eng Support Specialist II	8	8	8

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Sewerage Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
00162 - Wastewater Plant Operations			
425140 - I. W. C. Field Monitoring			
Environmental Specialist III	2	2	2
Environmental Specialist II	3	3	3
Head Constr Inspector - DWSD	2	2	2
Water Systems Investigator	15	15	15
Asst Water Sys Investigator	15	15	15
Plant Maintenance Sr Foreman	2	2	2
Bldg Oper Sprv - Grade II	1	1	1
Senior Building Attendant	1	1	1
Building Attendant A	2	2	2
Total I. W. C. Field Monitoring	112	112	112
Total Wastewater Plant Operations	1,025	1,022	1,022
05831 - Engineering Services - Sewage			
423020 - Engineering Administrative Service			
Head Eng - Water Sys - Design	1	1	2
Head Civil Eng - Field	1	1	1
Engineer of Water Systems	5	5	4
Electrical Eng - Design	1	1	1
Sr Assoc Civil Eng - Design	9	7	7
Sr Assoc Elect Eng - Design	4	3	3
Sr Assoc Mech Eng - Design	6	5	5
Associate Civil Eng - Design	8	6	6
Assoc Elect Eng - Design	4	4	4
Assoc Mech Eng - Design	5	5	5
Sr Asst Civil Eng - Wastewater	14	14	14
Sr Asst Mech Eng - Wastewater	5	5	5
Sr Asst Mech Eng - Design	1	1	1
Sr Asst Elect Eng - Wastewater	6	6	6
Sr Asst Elect Eng - Design	1	0	0
Assistant Civil Engineer	2	0	0
Assistant Mechanical Engineer	1	0	0
Drafting Technician IV	1	1	1

CITY OF DETROIT
MAYOR'S 2006/2007 RECOMMENDED BUDGET

Sewerage Department

Appropriation	REDBOOK FY 2005	DEPT REQUEST	MAYORS FY 2006
Organization	2006 FTE	FY 2006 2007	2007 FTE
Classification			
05831 - Engineering Services - Sewage			
423020 - Engineering Administrative Service			
Drafting Technician III	6	5	5
Sr Geograph Info Sys Supp Tech	3	3	3
Prin Data Proc Prog Analyst	1	1	1
Eng Support Specialist II	6	6	6
Eng Support Specialist I	1	1	1
Student Eng GD II Civil LTD	1	1	1
Head Constr Inspector - DWSD	3	3	3
Prin Construct Inspector-DWSD	4	4	4
Sr Construction Inspector	16	16	16
Construction Inspector	5	5	5
Sewer Systems Sprv Insp	1	1	1
Principal Clerk	1	1	1
Office Assistant III	4	4	4
Senior Clerk	2	2	2
Office Assistant II	3	3	3
Clerk	3	3	3
Total Engineering Administrative Services	135	124	124
Total Engineering Services - Sewage	135	124	124
Agency Total	1,189	1,175	1,176